

**System and Method for Processor Thread  
for Software Debugging**

**ABSTRACT**

A system and method for using a processor thread as a  
5 debugger is presented. A computer system boots up and  
initiates a debugger thread. The debugger thread loads a  
robust, debugger operating system and executes the debugger  
operating system. Once the debugger thread is functioning,  
the debugger thread invokes an operational thread. In  
10 turn, the operational thread loads a primary operating  
system and may run various applications. While the  
operational thread executes the primary operating system  
and the applications, the debugger thread monitors the  
operational thread for proper functionality. When the  
15 operational thread crashes or terminates, the debugger  
thread retrieves operational data from the operational  
thread and provides the operational data to a software  
developer for analysis.